

Claims:

1. A system for securing the confidentiality of electronically stored data, comprising:

data storage means for electronically storing data;

position determination means mechanically coupled to said data storage means for continuously determining a position thereof;

processor means electrically coupled to said data storage means and said position determination means, said processor means provided with an authorized location for said data storage means, said processor means facilitating transfer of said data to and from said data storage means wherein

when said position of said data storage means matches said authorized location, said processor means facilitates transfer of said data from said data storage means without any modification of said data, and wherein

when said position of said data storage means does not match said authorized location, said processor means modifies said data transferred from said data storage means by parsing said data to be transferred from said data storage means into constituents thereof and randomly incorporating said constituents into a set of irrelevant data having storage requirements that exceed those of said data to be transferred

24 by a plurality of orders of magnitude.

1 2. A system as in claim 1 further comprising at least one  
2 alarm device coupled to said processor means for generating  
3 an alarm signal when said position of said data storage means  
4 does not match said authorized location.

1 3. A system as in claim 1 further comprising a transmitter  
2 coupled to said processor means for wirelessly transmitting  
3 said position of said data storage means when said position  
4 of said data storage means does not match said authorized  
5 location.

1 4. A system as in claim 1 further comprising a secure  
2 container for housing said data storage means, said position  
3 determination means and said processor means.

1 5. A system as in claim 4 wherein said secure container  
2 includes heat and blast shielding means.

1        6. A system as in claim 1 further comprising:

2            at least one sensor coupled to said data storage means  
3        for sensing attempts to physically move said data storage  
4        means for generating a control signal indicative thereof; and

5            destruction means coupled to said at least one sensor  
6        and said data storage means for destroying at least one of  
7        (i) said data storage means and (ii) said data stored on said  
8        data storage means, in response to generation of said control  
9        signal.

1        7. A system as in claim 6 further comprising at least one  
2        alarm device coupled to said at least one sensor for  
3        generating an alarm signal in response to generation of said  
4        control signal.

1        8. A system as in claim 6 further comprising a transmitter  
2        coupled to said at least one sensor for wirelessly  
3        transmitting said position of said data storage means in  
4        response to generation of said control signal.

1        9. A system as in claim 1 wherein said position  
2        determination means includes a Global Positioning System  
3        (GPS) receiver.

1        10.        A system for securing the confidentiality of  
2        electronically stored data, comprising:

3                a secure container;

4                data storage means housed in said secure container for  
5        electronically storing data;

6                position determination means housed in said secure  
7        container for continuously determining a position of said  
8        secure container;

9                processor means housed in said secure container and  
10       electrically coupled to said data storage means and said  
11       position determination means, said processor means provided  
12       with an authorized location for said secure container, said  
13       processor means facilitating transfer of said data to and  
14       from said data storage means wherein

15                when said position of said secure container matches  
16       said authorized location, said processor means facilitates  
17       transfer of said data from said data storage means without  
18       any modification of said data, and wherein

19                when said position of said secure container does not  
20       match said authorized location, said processor means modifies  
21       said data transferred from said data storage means by parsing  
22       said data to be transferred from said data storage means into  
23       constituents thereof and randomly incorporating said  
24       constituents into a set of irrelevant data having storage

25 requirements that exceed those of said data to be transferred  
26 by a plurality of orders of magnitude;

27 at least one sensor coupled to said data storage means  
28 for sensing attempts to physically remove said data storage  
29 means from said secure container and for generating a control  
30 signal indicative thereof; and

31 destruction means coupled to said at least one sensor  
32 and said data storage means for destroying at least one of  
33 (i) said data storage means and (ii) said data stored on said  
34 data storage means, in response to generation of said control  
35 signal.

1 11. A system as in claim 10 further comprising at least one  
2 alarm device coupled to said processor means for generating  
3 an alarm signal when said position of said secure container  
4 does not match said authorized location.

1 12. A system as in claim 10 further comprising a transmitter  
2 coupled to said processor means for wirelessly transmitting  
3 said position of said secure container when said position of  
4 said secure container does not match said authorized  
5 location.

1        13. A system as in claim 10 wherein said secure container  
2 includes heat and blast shielding means.

1        14. A system as in claim 10 further comprising at least one  
2 alarm device coupled to said at least one sensor for  
3 generating an alarm signal in response to generation of said  
4 control signal.

1        15. A system as in claim 10 further comprising a transmitter  
2 coupled to said at least one sensor for wirelessly  
3 transmitting said position of said secure container in  
4 response to generation of said control signal.

1        16. A system as in claim 10 wherein said position  
2 determination means includes a Global Positioning System  
3 (GPS) receiver.

1        17.        A system for securing the confidentiality of  
2        electronically stored data, comprising:

3                a platform;

4                data storage means mechanically coupled to said  
5        platform for electronically storing data;

6                position determination means mechanically coupled to  
7        said platform for continuously determining a position of said  
8        platform;

9                processor means electrically coupled to said data  
10       storage means and said position determination means, said  
11       processor means provided with an authorized location for said  
12       platform, said processor means facilitating transfer of said  
13       data to and from said data storage means wherein

14               when said position of said platform matches said  
15       authorized location, said processor means facilitates  
16       transfer of said data from said data storage means without  
17       any modification of said data, and wherein

18               when said position of said platform does not match said  
19       authorized location, said processor means modifies said data  
20       transferred from said data storage means by parsing said data  
21       to be transferred from said data storage means into  
22       constituents thereof and randomly incorporating said  
23       constituents into a set of irrelevant data having storage  
24       requirements that exceed those of said data to be transferred

25 by a plurality of orders of magnitude;

26 at least one sensor coupled to said data storage means  
27 for sensing attempts to physically remove said data storage  
28 means from said platform and for generating a control signal  
29 indicative thereof;

30 destruction means coupled to said at least one sensor  
31 and said data storage means for destroying at least one of  
32 (i) said data storage means and (ii) said data stored on said  
33 data storage means, in response to generation of said control  
34 signal;

35 at least one alarm device coupled to (i) said processor  
36 means for generating an alarm signal when said position of  
37 said platform does not match said authorized location, and  
38 (ii) said at least one sensor for generating an alarm signal  
39 in response to generation of said control signal; and

40 a transmitter coupled to (i) said processor means for  
41 wirelessly transmitting said position of said platform when  
42 said position of said platform does not match said authorized  
43 location, and (ii) said at least one sensor for wirelessly  
44 transmitting said position of said platform in response to  
45 generation of said control signal.



1 18. A system as in claim 17 further comprising a secure  
2 container for housing said platform, said data storage means,  
3 said position determination means, said processor means, said  
4 at least one sensor, said destruction means, said at least  
5 one alarm device and said transmitter.

1 19. A system as in claim 18 wherein said secure container  
2 includes heat and blast shielding means.

1 20. A system as in claim 17 wherein said position  
2 determination means includes a Global Positioning System  
3 (GPS) receiver.